

FIG. 1

CONVENTIONAL ART

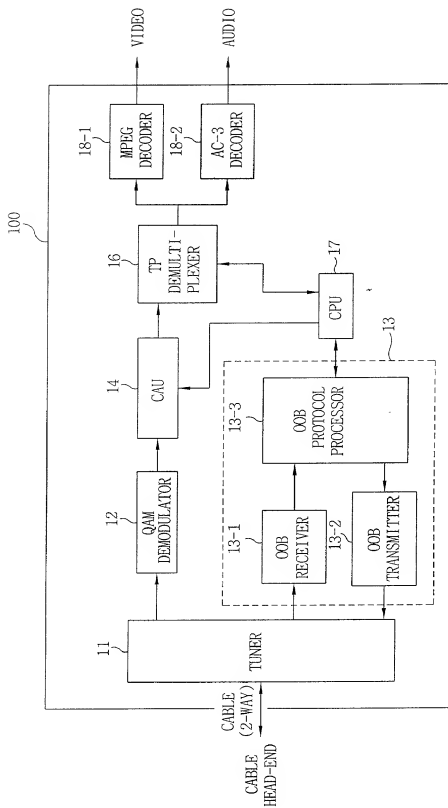


FIG. 2

CONVENTIONAL ART

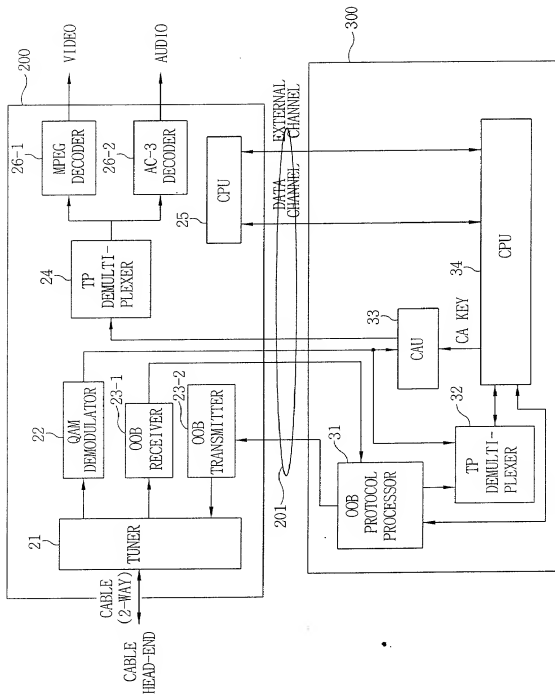


FIG.3
CONVENTIONAL ART

APPLICATION			
RESOURCES:			
USER INTERFACE	LOW-SPEED COMMUNICATIONS	SYSTEM	OPTIONAL EXTENSIONS
SESSION LAYER			
GENERIC TRANSPORT SUBLAYER			
PC CARD TRANSPORT SUBLAYER			
PC CARD LINK LAYER			
PC CARD PHYSICAL LAYER			

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FIG. 4

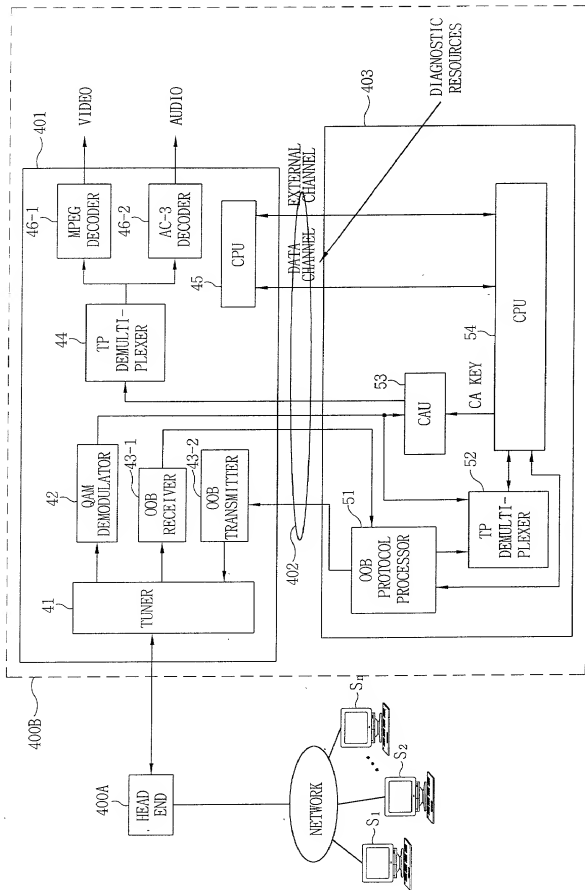


FIG.5

Syntax	NO. OF BITS
<pre> Diag_open_req() { Diag_open_req_tag Length_field() = 0 } </pre>	24

FIG.6A

Syntax	NO. OF BITS	DESCRIPTION
<pre> Diag_open_cnf() { Diag_open_cnf_tag Length_field() Send_datatype_number For(I=0; I<Send_datatype_number; I++) { Datatype_ID Datatype_length For(J=0; J<Datatype_length; J++) { Data_byte } } Sub_system_number For(I=0; Sub_system_number; I++) { Sub_sustem_id } } </pre>	24 8 8 8 8 8 8 8	INFORMATION REPLY TO SET-TOP BOX AND MANUFACTURER NUMBER OF SUBSYSTEM INCLUDING SET-TOP BOX LIST OF SUBSYSTEM

FIG.6B

Datatype_id	id VALUE	LENGTH (BYTES)
Manufacturer_id	0x01	50(Max)
Brand_id	0x02	50(Max)
Model_id	0x03	20(Max)
Serial_id	0x04	20(Max)
Host_id	0x05	8
POD_module_id	0x06	8

FIG.6C

Sub_system	id VALUE(HEXA)
CableNIM tuning sub_system	0x01
TP demultiplexing sub_system	0x02
Video decoding sub_system	0x03
Audio decoding sub_system	0x04
Graphics sub_system	0x05
Copy protection sub_system	0x06
...	

FIG.7

Syntax	NO. OF BITS
<pre> Diag_stat_req() { Diag_stat_req_tag Length_field() = 0 } </pre>	24

FIG.8

Syntax	NO. OF BITS	DESCRIPTION
<pre> Diag_stat_cnf() { Diag_stat_cnf_tag Length_field() System_status } </pre>	<p>24</p> <p>8</p>	<p>REPLY WHETHER SET-TOP IS NOMAL OR NOT</p> <p>0x00: OK</p> <p>0x01: Not OK</p>

FIG.9

Syntax	NO. OF BITS
<pre> Diag_data_req() { Diag_data_req_tag Length_field() = 0 } </pre>	<p>24</p>

FIG. 10A

Syntax	NO. OF BITS	DESCRIPTION
Diag_data_cnf() { Diag_data_cnf_tag Length_field() Sub_system_number For(I=0; I<Sub_system_number;I++) { Sub_system_id Sub_system_status } }	24 8 8 8	 NUMBER OF SUBSYSTEM INCLUDING SET-TOP BOX REPLY WHETHER SET-TOP IS NOMAL OR NOT

FIG. 10B

Sub_system	id VALUE(HEXA)	DESCRIPTION
CableNIM tuning sub_system	0x00 0x01 0x02 0x03	OK In-band tuning not working OOB Rx tuning not working OOB Tx tuning not working
TP demultiplexing sub_system
...	...	

FIG. 11

